

# Central Plateau Remediation Project

L. J. Olguin, Vice President/(509) 372-8233

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233-S Facility Demolition



## OVERVIEW

The Central Plateau Remediation Project (CP) is responsible for work scope included in Project Baseline Summaries (PBSs) RL-CP01, *200 Area Remediation* and RL-RC06, *300 Area Facility Transition*.

- PBS RL-CP01, *200 Area Remediation*, consists of Project Management and Support, CP Facility Surveillance and Maintenance, CP Facility Transition, CP Facility Decontamination and Decommissioning (D&D), the Equipment Disposition Project and CP Waste Site Remediation.
- PBS RL-RC06, *300 Area Facility Transition*, consists of 324 and 327 Facility Safe Shutdown, Miscellaneous Radiological Facilities Deactivation, and Project Management and Support.

NOTE: Unless otherwise noted, all information contained herein is as of the end of July 2003.

## NOTABLE ACCOMPLISHMENTS

**200 Area Remediation:** On July 29, 2003, the "233-S Facilities Demolition Plan and Support" subcontract was awarded to CR/X Environmental Services (CR/X). CR/X will be responsible for providing technical support, expertise, and the requisite special equipment for safe demolition and removal of the 233-S Plutonium Concentration Facility and the 233-SA Filter Building on or before September 30, 2003. The CR/X team will be utilizing FH plant forces in accomplishing this task.

**300 Area Facility Transition:** Baseline Change Request (BCR) FH-2003-006 was approved and implemented for July reporting. That BCR approved continuation within the FH contract of the 300 Area Surveillance and Maintenance work scope for the remainder of FY 2003.

## FY 2003 SCHEDULE/COST PERFORMANCE (\$000)

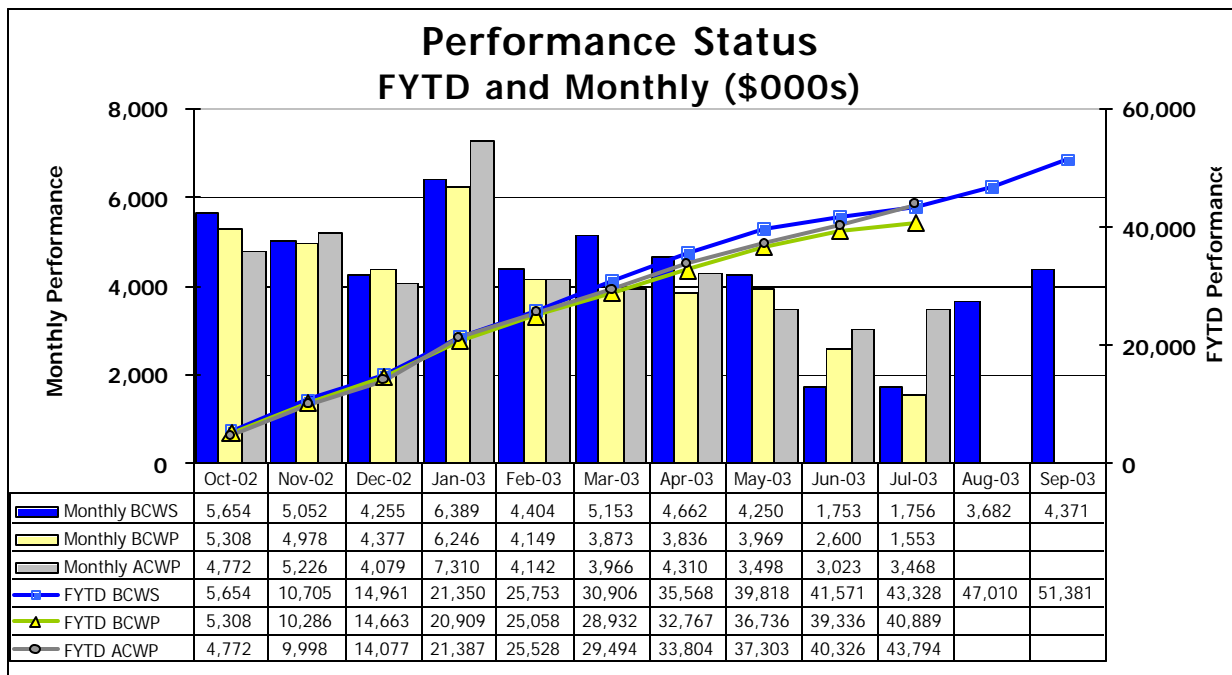
	Budgeted Cost of Work Scheduled	Budgeted Cost of Work Performed	Actual Cost of Work Performed	Schedule Variance \$	Schedule Variance %	Cost Variance \$	Cost Variance %	Budget At Completion
RL-RC06 300 Area Facility Transition	19,414	19,118	17,203	-296	-2%	1,915	10%	22,489
RL-CP01 200 Area Remediation	23,914	21,771	26,591	-2,143	-10%	-4,820	-22%	28,892
<b>Total Central Remediation Project</b>	<b>43,328</b>	<b>40,889</b>	<b>43,794</b>	<b>-2,439</b>	<b>-6%</b>	<b>-2,905</b>	<b>-7%</b>	<b>51,381</b>

**Schedule Performance (-\$2,439K):** The unfavorable variance within PBS CP01 is the result of Facilities 233-S/SA decontamination efforts being much more extensive than planned. The removal of waste and decontamination has delayed the commencement of deactivation and decommissioning (D&D) activities.

## FY 2003 SCHEDULE/COST PERFORMANCE (CONTINUED)

**Cost Performance (\$-2,905K):** The favorable cost variance within PBS RC06 is primarily the result of a change in approach in the cleanout of the 324 Shielded Materials Facility whereby work progress was performed for less-than-planned resources. Other efficiencies in labor and materials have added to the positive cost trend.

The unfavorable variance within PBS CP01 is the result of the extended effort to prepare 233-S/SA for D&D and the direction of additional labor resources to the project. The variance is not recoverable and this trend is expected to increase until completion of the project. FH is offsetting this cost variance with efficiencies in other sub-projects.



## MILESTONE ACHIEVEMENT

PBS	MSN	Title	Type	Due Date	Actual Date	Forecast Date	Status/Comments
CP01	TRP-03-224 M-013-00N	Submit 1 200 NPL RI/FS (RFI/CMS) Work Plan	HQ	12/31/03			On schedule
CP01	TRP-03-227 M-015-41C	Submit 200-TW-1 & 200-TW-2 OU FS/Proposed Plan to EPA & Ecology	HQ	03/31/04			On schedule
CP01	TRP-03-230 M-015-39B	Submit 200-CS-1 Chemical Sewer Group RI Report	HQ	05/31/04			On schedule
CP01	TRP-03-233 M-015-43B	Submit 200-PW-2 OU RI Report Including Past Practice Waste Sites	HQ	06/30/04			On schedule
CP01	TRP-03-309	233-S (PuConcentration Facility) and the 233-SA (Exhaust Filter Building) demolished to slab on grade.	RL	6/30/04			Ahead of schedule
CP01	TRP-03-501 M-092-11-T01	Complete Disposition Options for Hanford Site Nonradioactive NA	RL	09/28/04			On schedule
CP01	TRP-03-236 M-016-66	Initiate Intern. Des. & Auth for RA at 618-10&11	HQ	09/30/04			On schedule
RC06	TRP-04-901 M-92-15	Complete Removal and Transfer, and Initiate Storage of Phase II 300 Area SCW and Materials	EA	9/30/04	9/19/01		Completed ahead of schedule
CP01	TRP-03-242 M-015-40C	Submit 200-CW-5 U Pond/Z Ditches Cooling Water Group FS & Submit	HQ	10/31/04			On schedule
CP01	TRP-03-139 M-013-00O	Submit 1 200 NPL RI/FS (RFI/CMS) Work Plan	HQ	12/31/04			On schedule
CP01	TRP-03-260 M-015-46A	200 Area Chemical Lab Waste OUs Remedial investigation Report.	HQ	10/31/05			On schedule
CP01	TRP-03-245 M-015-39C	Submit 200-CS-1 Chemical Sewer Group FS and Submit PP/Proposed	HQ	11/30/05			On schedule
CP01	TRP-03-248 M-020-39	Submit 216 S-10 Pond and Ditch Closure Plan to Ecology	HQ	11/30/05			On schedule
CP01	TRP-03-254 M-015-43C	Submit 200-PW-2 OU FS & Proposed Plan/Proposed RCRA Permit Mod	HQ	12/31/05			On schedule
CP01	TRP-03-257 M-020-33	Submit Closure/Post Closure Plans for 216-A-10 Crib, Etc.	HQ	12/31/05			On schedule
CP01	TRP-03-263 M-015-44A	200-MW-1 OU Remedial Investigation Report	HQ	12/31/05			On schedule
CP01	TRP-03-266 M-015-46B	200 Area Chemical Laboratory Waste OUs Feasibility Study	HQ	09/30/06			On schedule
CP01	TRP-03-272	Remediate BC Crib, Trenches, and Control Area	RL	09/30/06			On schedule
CP01	TRP-03-303	U Plant Regional Closure (ancillary facilities, excluding U Plant Canyon)	RL	9/30/06			On schedule
CP01	TRP-03-30C	U-Plant ready for demolition	RL	9/30/06			On schedule
CP01	TRP-03-312	224-B (Concentration Facility) demolished to slab on grade.	RL	9/30/06			On schedule
CP01	TRP-03-315	224-T (Transuranic Storage & Assay Facility) demolished to slab on grade.	RL	9/30/06			On schedule

## FY 2003 FH FUNDS VS FORECAST (\$000)

	Expected Funds	Spend Forecast	Variance
<b>RL-RC06</b> 300 Area Facility Transition	\$ 20,660	\$ 19,175	\$ 1,485
<b>Project Completion - Operating</b>	<b>\$ 20,660</b>	<b>\$ 19,175</b>	<b>\$ 1,485</b>
<b>RL-CP01</b> 200 Area Remediation	\$ 34,024	\$ 34,117	\$ (93)
<b>Post 2006 - Operating</b>	<b>\$ 34,024</b>	<b>\$ 34,117</b>	<b>\$ (93)</b>
<b>Total</b>	<b>\$ 54,684</b>	<b>\$ 53,292</b>	<b>\$ 1,392</b>

## ISSUE

**233-S Facility D&D:** Accelerated activities for the demolition of 233-S are in progress to complete the project by September 30, 2003. A revised execution plan has been developed to support the accelerated schedule. The remainder of the highly contaminated waste has been removed, which has enabled the downgrade of the facility from Hazard Category 3 to Radiological. Size reduction of scaffolding, floor grouting, and fixative application has been completed. Trailers have been relocated outside the construction zone. Towards resolving this issue, a subcontract for 233-S Facilities Demolition Plan and Support was awarded to CR/X on July 29, 2003.